FLASHPOINT

R2

Radio Transmitter R2

for Panasonic & Olympus

FPRRR2TP

Flashpoint R2 Radio Transmitter

Thank you for choosing Flashpoint!

The Flashpoint R2 Radio System transmits TTL data directly to the vast R2 Family of Flash which is fully compatible with many camera TTL systems, as well as select manually controlled strobes and monolights. Featuring multi-group triggering, stable signal transmission, and real-time sync, it gives photographers unparalleled flexibility and control over their strobist setups. The transmitter features high-speed sync and TTL pass-through for a speedlite, as well.

The incredible range of these compact and lightweight units as well as their integrated functions and features make them the first choice of professional photographers. If you have any questions or concerns, please feel free to contact us at **Brands@Adorama.com**

Features

- Remote TTL and Manual power control
- Multi Group triggering and channel security
- Clear LCD readout panel
- Industry benchmark sync range and interference avoidance
- Built in laser AF assist lamp with laser crisscross pattern for instant autofocus even in complete dark on low contrast surfaces (on compatible cameras)
- HSS for shutter speeds up to 1/8000 second with compatible cameras and strobes
- 1 year warranty

For Your Safety

- Always keep this product dry.
- Do not use in rain or in damp conditions.
- Stop using this product if it breaks open due to internal shifting, falling or strong impact.
- STRONG electric shock may occur if you touch the components inside it.
- Do not fire flash directly into the eyes, especially those of babies and pets, within short distances. Visual impairment may occur.
- Do not use flash units in the presence of flammable gases, chemicals and other similar materials.
- Do not leave or store the unit if the ambient temperature is over 122°F /50°C (e.g. in automobile in the sun). The electronic parts may be damaged.
- Do not insert metal parts into any equipment.
- Do not touch the electrical contacts on the flash or battery or contact them with any conductive materials.
- Do not use the unit to support other equipment. For example, do not lift your camera by the radio.
- The radio has a locking pin to ensure secure operation. To avoid damage, completely unscrew the locking ring before removing the flash.
- Store the radio with the batteries removed. Keeping them inside can lead to battery cell leakage, voiding the warranty.

Name of Parts

Body / Transmitter

Battery Compartment

Micro USB Port
(for firmware updates)

PC Sync Port

Hot Shoe Speedlite Connection

LCD Panel

Hot Shoe Camera Connection

TEST Trigger Button

HSS High Speed Sync Switch

Power Switch

Status Indicator Lamp

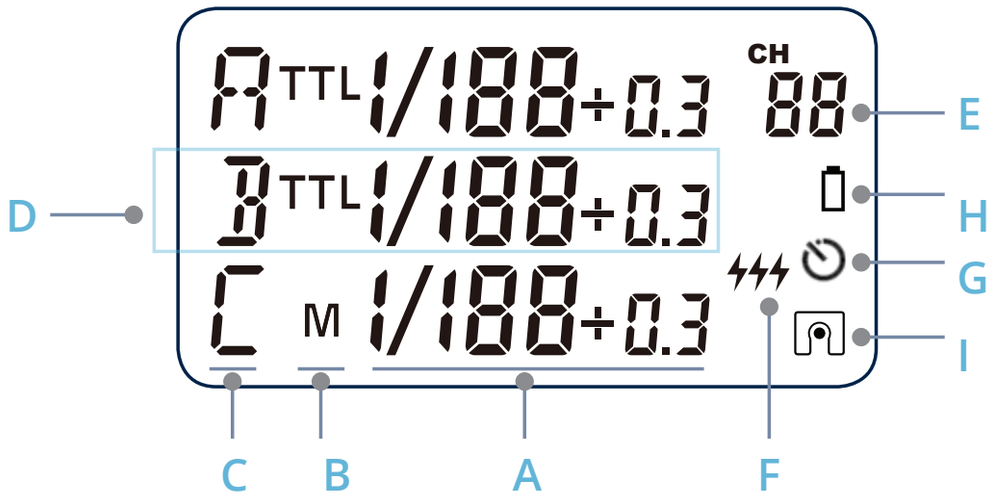
CH Channel Setting Button

GR Group Setting Button

Select Dial

MODE Mode Selection Button

Transmitter Panel



A. Output Settings per Group in the M mode; FEC Settings per Group in the TTL mode
B. Mode Settings
C. Group
D. Currently Selected Group
E. Channel Settings
F. GR Grouping Icon
G. Synchronization Delay Setting Icon w
H. Low Battery Indicator
I. Single Contact Mode Icon

Installing Batteries

Slide the battery compartment lid of the transmitter. Insert two AA batteries (sold separately) as indicated.

Low Battery Indicator

When the battery power gets too low for a stable signal (<2.4V), the battery warning lamp blinks quickly. Please replace both batteries of the same type and strength, as low power leads to misfires and diminished range.

USING THE FLASH TRIGGER (NON-TTL)

The flash trigger features the following functions:

1. As a Wireless Flash Trigger

1.1 Mount the transmitter on camera hotshoe and turn it on before turning on the camera.

1.2 Set the transmitter and the receiver to the same channel by pressing the Channel Setting Button.

1.3 Press the camera shutter button, and the flash will be triggered simultaneously. The Status Indicator Lamp of both transmitter and receiver units turn red.

2. As a Wireless Flash Trigger with PC Sync Socket

2.1 Set the transmitter end and receiver device to the same channel and group.

2.2 The transmitter will control the flash on the receiver end, using the PC Sync Socket as input by default, bypassing the hotshoe.

2.3 Press the camera shutter. The PC Sync Socket's signal to control the flash.

2.4 PC Sync Socket can also be set as output. Long press the <CH/OK> Button of the transmitter until <Fn> is displayed on the panel. Then, set the value of C.Fn-03 to "OU" by pressing the "GR" button once and rotating the Select Dial. The PC Sync Socket is in output mode and can trigger an attached flash though a PC cord.

SETTING THE TRANSMITTER

- **Power Switch**

  Slide the Power Switch to ON. The LCD screen will turn on. The Status Indicator Lamp does not illuminate.

  Note: In order to avoid power consumption, turn off the transmitter when not in use.

- **HSS High-Speed Sync Switch**

  Slide the switch to ON or OFF to control the HSS high-speed sync's status.

  If is ON, all the group's mode setting icon will blink.

- **Channel Settings**

  1. Short press the <CH/OK> Button until the channel value blinks.
  2. Turn the Select Dial to choose the appropriate channel. Press the <CH/OK> Button again to confirm the setting.
  3. This flash trigger contains 32 channels which can be changed from 1 to 32. Set the transmitter and the receiver to the same channel before shooting.

- **Mode Settings**

  1. Short press the <GR> Button and the selected group will blink. Click to scroll through the modes forwardly and double-click to scroll through in reverse sequence.
  2. Short press the <MODE> Button and the selected groups' modes will be changed by the order of TTL/M/-- (-- represents OFF, the current group will not fire).

• Group POWER / FEC Settings

1. Short press the <GR> Button and the selected group will blink. Click to scroll through the modes forwardly and double-click to scroll through in reverse sequence.

2. Turn the Select Dial to change the power or flash exposure compensation settings. When the current group is in the M mode, the power output value is changeable from 1/1 full power to Min. power* in 0.3 stop increments. When the current group is in the TTL mode, the FEC amount is changeable from -3 to 3 in 0.3 stop increments. When the current group is in the -- mode (flash off), the amounts will not change.

3. Short press the <CH/OK> Button again to confirm the setting.

Min. refers to the minimum power output value that can be set in M/Multi mode. 1/128 or 1/256 can be set according to C.Fn-05.
The minimum power output value is 1/128 and cannot be set to 1/256 for most of camera flashes. However, the value can change to 1/256 when using in combination with stronger flashes such as the Flashpoint XPLOR600 or Rapid R2.

• Multi Flash Group ON/OFF Settings

1. Initiate the Multi Flash <MODE> in the C.Fn Custom Functions (set C.Fn-04 as 1).
2. Short press the <GR> button to select the group. Click to scroll through the modes forwardly and double-click to scroll through in reverse sequence.
3. Short press the <MODE> Button to change the mode of selected group.
4. The current group's mode will be changed by the order of on/-- (-- represents OFF, which means that the current group will not fire flashes in this mode).

• Multi Flash Parameter Setting

1. Enter into Multi Flash mode before setting parameters.
2. Press the <MODE> Button to enter Multi Flash parameter setting menu.
3. The LCD displays the parameters: P (output value), T (flash times) and H (flash frequency).
4. Short press the <GR> Button to choose the settings. Turn the Select Dial to change the selected blinking setting values. Continue to press the <GR> Button until all the amounts are set. Then, short press the <MODE> Button to exit.

As flash times are restricted by flash output value and flash frequency times cannot surpass the upper value that is permitted by the system, automatic settings may be forced as a default value. The times that transmitted to the receiver device are Multi Flash in real time settings, which are not related to the camera's shutter speed setting. To guarantee the successful use of stroboscopic times, please use the formula below to calculate the shutter speed. Number of Flashes / Firing Frequency = Shutter Speed

• Group Settings

1. Long press the <GR> Button to set the exposure values for all the groups in any mode simultaneously.
2. The settings of the groups which are in the same MODE with the current group will blink. Turn the Select Dial to change the settings.
3. If the current group is in the M MODE, all the other groups which are in the M MODE will change their power output value simultaneously. The power output value is changeable from 1/1 full power to Min. power in 0.3 stop increments, until one of the group's setting turns to the maximum (1/1) or the minimum (Min.). If the current group is in the TTL MODE, all the other groups which are in the M MODE will change their FEC amount simultaneously. The FEC amount is changeable from -3 to 3 in 0.3 stop increments, until one of the group's setting turns to the maximum (3) or the minimum (-3). If the current group is in the -- MODE (flash off), the amounts will not change.
4. Short press the <GR> Button again to confirm the setting.

• Test Flash

1. Press the <TEST> Trigger Button to test fire the flash.
2. Fully press the <TEST> Trigger Button, and the Status Indicator Lamp turns red and the flash connected to the receiver should flash.
3. The settings on the transmitter will synchronize with the receiver.

- **Modeling Lamp Control**

  Double-click the <CH/OK> Button to power ON/OFF the linked unit's modeling lamp.

- **Power Saving Mode**

  1 The flash trigger will go into standby mode after an inactive period of time. The LCD panel will turn off.

  2 Pressing any of the buttons (<TEST> fully pressed/<CH>/<GR>/<MODE>) can wake up the flash trigger. If the transmitter is attached to the camera, half pressing the shutter can also wake up the system.

  3 If the transmitter is set to single contact mode (is displayed), the system will not enter the power saving mode.

- **C.Fn: Setting Custom Functions**

  The following table lists the available and unavailable custom functions of this flash. Note: Some icons will be displayed when setting the relevant custom functions for clarity.

Custom Functions No.	Functions	Setting Signs	Settings and Description
C.Fn-00	Synchronization delay setting	00	OFF
		1~100	Master flash synchronization delay N*100 us (synchronization delay icon s displayed.)
C.Fn-01	Single contact mode	--	OFF
		on	ON (The single contact mode set icon is displayed.) It is advisable to set the transmitter to single contact mode when using it to trigger the flash by PC cord or through camera's single contact.

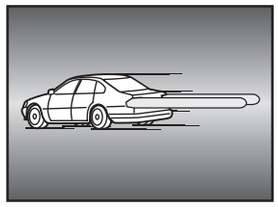
Custom Functions No.	Functions	Setting Signs	Settings and Description
C.Fn-02	Zoom setting	--	Zoom is off.
		20,24,28,35,50,70, 80,105,135,200	Zoom（20/24/28/35/50/70/80/105/135/200 mm)
C.Fn-03	PC sync socket connects with camera /camera flash	in	PC sync socket connects with camera
		ou	PC sync socket connects with flash
C.Fn-04	Multi Flash ON/OFF	––	Multi flash OFF
		on	Multi flash ON
C.Fn-05	Minimum power output in M/Multi mode	1/128	The minimum power output in M/Multi mode is 1/128
		1/256	The minimum power output in M/Multi mode is 1/256
C.Fn-06	Number of groups	03	A/B/C
		05	A/B/C/D/E
C.Fn-07	Beep	--	ON
		on	OFF

1. Press the <CH/OK> Button for 2 seconds or longer until <Fn> is displayed.
2. Select the custom function number (No).
   - Turn the Select Dial to choose the Custom Function No.
3. Change the Setting.
   - Press the <GR> Button until the custom function No. blinks.
   - Turn the Select Dial to set the desired number. Pressing <GR> button will confirm the settings.
   - Press <MODE> button to exit the C.Fn settings.

- **SETTING THE CAMERA**

  To trigger the R2T-O, please set camera's flash mode to fill flash, red eye reduction flash or rear curtain flash.

Olympus Camera menu system flash mode setting:

AUTO	Auto flash	The flash fires automatically in low light or backlight conditions.
ϟ	Fill-in flash	The flash fires regardless of the light conditions.
⊘	Flash off	The flash does not fire.
👁/ϟ👁	Red-eye reduction flash	This function allows you to reduce the red-eye phenomenon. In **S** and **M** modes, the flash always fires.
ϟ**SLOW**	SLOW Slow synchronization (1st curtain)	Slow shutter speeds are used to brighten dimly-lit backgrounds.
👁**SLOW**	Slow synchronization (1st curtain)/Red-eye reduction flash	Combines slow synchronization with red-eye reduction.
ϟ**SLOW2/ 2nd Curtain**	Slow synchronization (2nd curtain)	The flash fires just before the shutter closes to create trails of light behind moving light sources. 
ϟ**FULL**、ϟ**1/4** etc.	Manual	For users who prefer manual operation. If you press (OK) followed by the **INFO** button, you can use the dial to adjust the fl ash level.

Panasonic Camera menu system flash mode setting:

MENU → **[Rec]** → **[Flash]** → **[Flash Mode]**

([Forced Flash On]) ([Forced On/ Red-Eye])*	The flash is activated every time regardless of the recording conditions. • **Use this when your subject is back-lit or under fluorescent light.** 
([Slow Sync.]) ([Slow Sync./ Red-Eye])*	When taking pictures against a dark background landscape, this feature will slow the shutter speed when the flash is activated. Dark background landscape will appear brighter.  • **Use this when you take pictures of people in front of a dark background.** • **Using a slower speed can cause motion blur. Using a tripod can enhance your photos.**
([Forced Flash Off])	The flash is not activated in any recording conditions. • **Use this when you take pictures in places where the use of flash is not permitted.** • This item is available only when using an external flash.

Setting to the 2nd Curtain Synchro

Applicable modes: P A S M

2nd curtain synchro activates the flash just before the shutter closes when taking pictures of moving objects such as cars using a slow shutter speed.

Select the menu.

MENU → [Rec] → [Flash] → [Flash Synchro]

[1ST]	1st curtain synchro The normal method when taking pictures with the flash.	
[2ND]	2nd curtain synchro The light source appears behind the subject and picture becomes dynamic.	

Flash Mode

Selecting the Operation Method Options

Press the <CH/OK> Button for 5 seconds to switch the operation methods (Method 1/Method 2).

R2T-P Operation Method 1 (by default)

TTL/M Mode		
Button	**Operation**	**Function**
CH/OK	Short press	(under normal status) Enter CH settings; (under settings)Confirm and back to normal status
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2 seconds	Enter C.Fn custom settings
	Long press for 5 seconds	Switch the Operation Methods (Method 1/Method 2)
GR	Short press	Select the group downwardly
	Double-click	Select the group upwardly
	Long press for 2 seconds	Select all the group
MODE	Short press	Switch the flash mode of the group (TTL/M/OFF)
Select Dial	**Status**	**Function**
	Normal	No (3 groups)/Turning(5 groups)
	Set the channel	Adjust the channel amount
	Set the group	Adjust the group's POWER/FEC amount

Multi Mode (C.FN-04-on)		
Button	**Operation**	**Function**
CH/OK	Short press	(under normal status) Enter CH settings; (under settings) Confirm and back to normal status
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2 seconds	Enter C.Fn custom settings
	Long press for 5 seconds	Switch the Operation Methods (Method 1/Method 2)
GR	Short press	Select the group downwardly
		(under PTH status) Set power/times /hz
	Double-click	Select the group upwardly
MODE	Short press	Set the group's ON/OFF
		(under PTH status) Back to normal status
		(under normal status) Enter PTH status (P-power, T-times, and H-hz)
Select Dial	**Status**	**Function**
	Normal	No (3 groups)/Turning(5 groups)
	Set the channel	Adjust the channel amount
	Set the power	Adjust the power amount
	Set the flash times	Adjust the times amount
	Set the flash frequency	Adjust the frequency amount

R2T-P Operation Method 2

TTL/M Mode		
Button	**Operation**	**Function**
CH/OK	Short press	(under normal status) Enter CH settings; (under settings) Confirm and back to normal status
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2 seconds	Enter C.Fn custom settings
	Long press for 5 seconds	Switch the Operation Methods (Method 1/Method 2)
GR	Short press	Set POWER/FEC amount
	Long press for 2 seconds	Select all the group
MODE	Short press	(under normal status) Switch the <▶Group>mode (TTL/M/OFF)
Select Dial	**Status**	**Function**
	Normal	Set <▶Group>
	Set the channel	Set the channel amount
	Set the group	Adjust the group's POWER/FEC amount

Multi Mode (C.FN-04-on)		
Button	**Operation**	**Function**
CH/OK	Short press	(under normal status) Enter CH settings; (under settings) Confirm and back to normal status
	Double-click	Control the ON/OFF of modeling flash
	Long press for 2 seconds	Enter C.Fn custom settings
	Long press for 5 seconds	Switch the Operation Methods (Method 1/Method 2)
GR	Short press	(under PTH status) Set power/times /hz
MODE	Short press	(under normal)Control the <►Group>'s ON/OFF
		(under PTH status) Back to normal status
	Long press for 2 seconds	Enter PTH status (P-power, T-times, and H-hz)
Select Dial	**Status**	**Function**
	Normal	No (3 groups)/Turning(5 groups)
	Set the channel	Adjust the channel amount
	Set the power	Adjust the power amount
	Set the flash times	Adjust the times amount
	Set the flash frequency	Adjust the frequency amount

Troubleshooting

1. Unable to trigger flash or camera shutter: Make sure batteries are installed correctly and Power Switch is turned on. Check if the transmitter and the receiver are set to the same channel, if the hotshoe mount or connection cable is well connected, or if the flash triggers are set to the correct mode.
2. Camera shoots but does not focus. Check if the focus mode of the camera or lens is set to MF, indicating Manual focus. If so, set it to AF, Auto Focus.
3. Signal disturbance or shooting interference. Change a different channel on the devices.
4. Operating distance limited or flash misfiring: Check if batteries are exhausted.

Maintaining your Radios

- Avoid sudden impact. The device may fail to work after strong shocks, impacts, or excess stress.
- Keep dry. The product isn't water-proof. Malfunction, rust, and corrosion may occur and cause irreparable damage if soaked in water or exposed to high humidity.
- Avoid sudden temperature changes. Condensation occurs due to sudden temperature changes such as moving out of a building with higher temperature and humidity to a much cooler outdoor environment. Please put the radio in a pouch or plastic bag beforehand.
- Keep away from strong magnetic field. The strong static of magnetic field produced by devices such as radio transmitters leads to malfunction.

Technical Data

Model	R2T-P
Compatible Cameras	Olympus and Panasonic cameras
	Support for the cameras that have PC sync socket.
Builted-in remote system	2.4G Wireless transmission
Modulation mode	MSK
Power supply	2*AA batteries
Exposure Control	
Manual flash	Yes
TTL autoflash	TTL
Multi flash	Yes
TTL Control	
High-speed sync	Yes
Flash exposure compensation	Yes, ±3 stops in 1/3 stop increments
Flash exposure lock	Yes
Focus assist	Manual open
Second curtain sync	Yes (Setting on the camera)
Wireless Flash	
Controllable slave group	Max. 5 groups (A/B/C/D/E)
Transmission range (approx.)	>100m
Channel	32

Model	R2T-P
Others	
Synchronization delay set	Yes (0~10ms, use 100us as the unit)
Beep	ON/OFF
Modeling flash	ON/OFF
ZOOM setting	Adjust the flash's focal length through the transmitter
Output interface	Transmitter: use a PC cord to input and output
Firmware upgrade	Use the Micro USB port to upgrade
Memory function	Settings will be stored for 2 seconds after last operation and recover after a restart
Dimension/Weight for Transmitter	2.8x3.0x2.0in / 72x75x52mm 3.1oz / 90g

Compatible Camera Models

This flash trigger unit can be used on the following cameras:

Olympus: PEN-F, E-P3. E-P5, E-PL5, E-PL6, E-PL7, E-PL8, E-M1, E-M10II

Panasonic: DMC-G85, DMC-GH4, DMC-GF1, DMC-GX85, DMC-LX100, DMC-FX2500GK

This table only lists the tested camera models, not all Olympus and Panasonic cameras. For the compatibility of other camera models, a self-test is recommended. Rights to modify this table are retained.

ONE YEAR FLASHPOINT LIMITED WARRANTY

Flashpoint warrants to the original purchaser that your Flashpoint R2 Radio Transmitter shall be free from defects in material and workmanship for the period of one (1) year from the date of purchase (or delivery as may be required in certain jurisdictions), or thirty (30) days after replacement, whichever comes later. Flashpoint's entire liability and your exclusive remedy for any breach of warranty shall be, at Flashpoint's option, to repair or replace the hardware, provided that the hardware is returned to the point of purchase or such other place as Flashpoint may direct with a copy of the sales receipt or dated itemized receipt. Flashpoint may, at its option, replace your product, offer to provide a functionally equivalent product, or repair any product with new, refurbished or used parts as long as such parts are in compliance with the product's technical specifications. Any replacement hardware product will be warranted for the remainder of the original warranty period or thirty (30) days, whichever is longer, or for any additional period of time that may be applicable in your jurisdiction. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function. This warranty does not cover problems or damage resulting from accident, abuse, misapplication, or any unauthorized repair, modification or disassembly, improper operation or maintenance, normal wear and tear, or usage not in accordance with product instructions or connection to improper voltage supply, use of consumables, such as replacement batteries, not supplied by Flashpoint, except where such restriction is prohibited by applicable law. Except where prohibited by applicable law, this warranty is nontransferable and is limited to the original purchaser and the country in which the product was purchased. This warranty gives you specific legal rights, and you may also have other rights, including a longer warranty duration that may vary under local laws. To start a warranty claim contact the Flashpoint Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Flashpoint, along with the RMA number and proof of purchase.

Question about our product line? Need Product Support?

We are proud of our products and celebrate our customers. We are with you, from product selection to everyday use. Be secure with your purchase and reach us as you need.

Email us: **brands@adorama.com** Call: **212-647-9300**
Address: **Adorama Brands, 42 West 18th Street, New York, NY 10011**
You can always contact us at BRANDS@ADORAMA.COM for personal technical support.
Our web site contains a wide range of Support and FAQ pages with valuable technical assistance.